

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number  
**WO 2005/053183 A1**

(51) International Patent Classification<sup>7</sup>: **H04B 7/005**,  
H04Q 7/36

(21) International Application Number:  
PCT/EP2004/051984

(22) International Filing Date:  
1 September 2004 (01.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0327800.9 28 November 2003 (28.11.2003) GB

(71) Applicant (for all designated States except US): **MOTOROLA INC** [US/US]; 1303 E.Algonquin Road, Schaumburg, Illinois 60196 (US).

(71) Applicant (for BW only): **MOTOROLA LIMITED** [GB/GB]; Jays Close, Viabes Industrial Estate, Basingstoke, Hampshire RG22 4DP (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MOLKDAR, Davood** [GB/GB]; 18 Westwood Gardens, Chandlers Ford, Eastleigh Hampshire SO53 1FN (GB). **FEATHERSTONE, Walter** [GB/GB]; 6 The Birches, Marlborough Road, Swindon Wiltshire SN3 1PT (GB). **O'NEILL,**

Rorie [GB/GB]; 29 North Street, Swindon Wiltshire SN1 3JX (GB). **WALLINGTON, Jonathan** [GB/GB]; 28 Beaulay Road, Southville, Bristol Avon BS3 1PY (GB).

(74) Agent: **JEPSEN, René, Pihl**; Eltima Consulting, Shaftsbury Centre, Percy Street, Rodbourne, Swindon SN2 2AZ (GB).

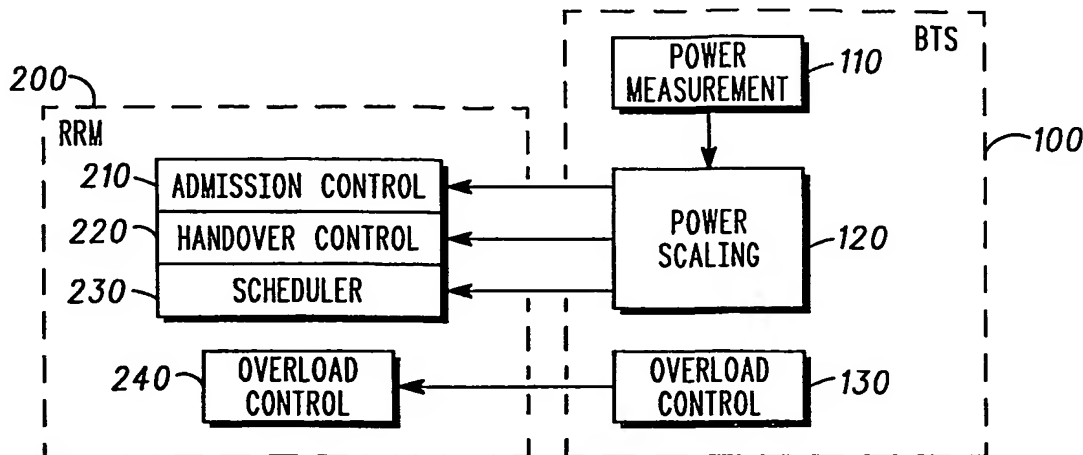
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

[Continued on next page]

(54) Title: RADIO RESOURCE MANAGEMENT



(57) Abstract: The present invention relates to radio resource management in a wireless communication system. Specifically, the present invention relates to a method and apparatus for obtaining downlink power information for a multi-sector base transceiver site in which power can be shared between the sectors. Such information can be used in radio resource management in a wireless communication system. Power requirement measurement information gathered at a base transceiver station is modified prior to being provided to a radio resource management unit. This enables more effective use of power resources at a base transceiver site.



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*